

=> file reg

FILE 'REGISTRY' ENTERED AT 17:33:25 ON 29 APR 2003

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FILE 'LREGISTRY' ENTERED AT 16:40:00 ON 29 APR 2003

L1 STR

FILE 'REGISTRY' ENTERED AT 16:45:32 ON 29 APR 2003

L2 9 S L1

L3 191 S L1 FUL

SAV L3 ZIT844/A

L4 11058 S C F O/ELF

L5 96 S L3 AND L4

L6 95 S L3 NOT L5

L7 56 S L5 NOT PMS/CI

FILE 'HCA'

L8 386 S L7

L9 395 S L5

FILE 'LREGISTRY'

L10 STR L1

FILE 'REGISTRY'

L11 1 S L10 SSS SAM SUB=L3

L12 3 S L10 SSS FUL SUB=L3

SAV L12 ZIT844A/A

FILE 'CAOLD'

L13 0 S L12

FILE 'ZCAPLUS'

L14 5 S L12

FILE 'LREGISTRY'

L15 STR L1

FILE 'REGISTRY'

L16 0 S L15 SSS SAM SUB=L3

L17 2 S L15 SSS FUL SUB=L3

SAV L17 ZIT844B/A

FILE 'CAOLD'

L18 0 S L17

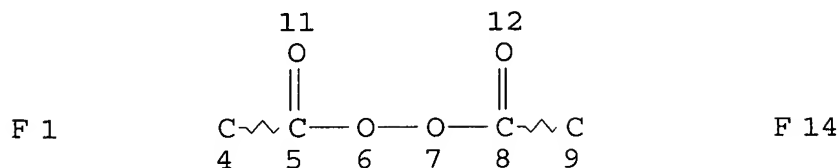
FILE 'ZCAPLUS'

L19 4 S L17

FILE 'REGISTRY'

=> d 112 que stat

L1 STR



NODE ATTRIBUTES:

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NSPEC IS RC AT 9

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

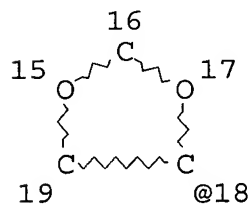
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NUMBER OF NODES IS 10

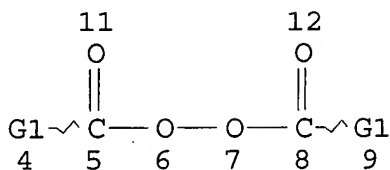
STEREO ATTRIBUTES: NONE

L3 191 SEA FILE=REGISTRY SSS FUL L1

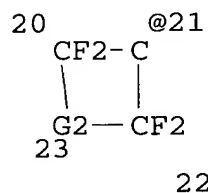
L10 STR



F 1



F 14



VAR G1=18/21

REP G2=(1-3) CF2

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

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STEREO ATTRIBUTES: NONE

L12 3 SEA FILE=REGISTRY SUB=L3 SSS FUL L10

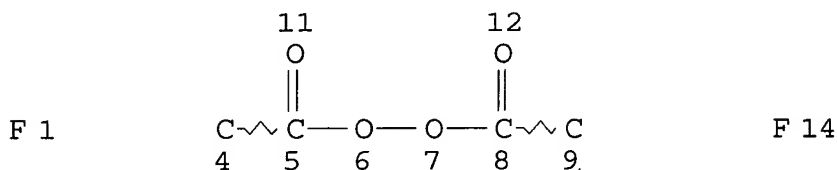
100.0% PROCESSED 7 ITERATIONS

3 ANSWERS

SEARCH TIME: 00.00.01

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L1 STR



NODE ATTRIBUTES:

NSPEC IS RC AT 4

NSPEC IS RC AT 9

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

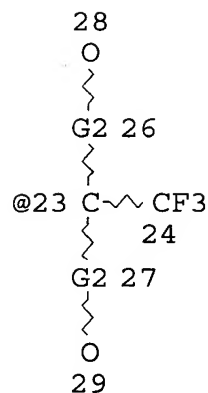
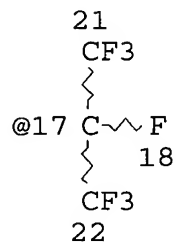
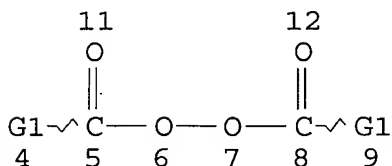
RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 10

STEREO ATTRIBUTES: NONE

L3 191 SEA FILE=REGISTRY SSS FUL L1

L15 STR



VAR G1=17/23

REP G2=(0-5) C

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE
L17 2 SEA FILE=REGISTRY SUB=L3 SSS FUL L15

100.0% PROCESSED 90 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01

=> file zcaplus
FILE 'ZCAPLUS' ENTERED AT 17:33:53 ON 29 APR 2003
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=> d l14 1-5 ibib abs hitstr hitrn
(B) and (C)

L14 ANSWER 1 OF 5 ZCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:693166 ZCAPLUS
DOCUMENT NUMBER: 137:201722
TITLE: Perfluorodiacylperoxides with high hydrolytic
stability used as polymerization initiators
INVENTOR(S): Navarrini, Walter; Galimberti, Marco
PATENT ASSIGNEE(S): Ausimont S.P.A., Italy
SOURCE: Eur. Pat. Appl., 13 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

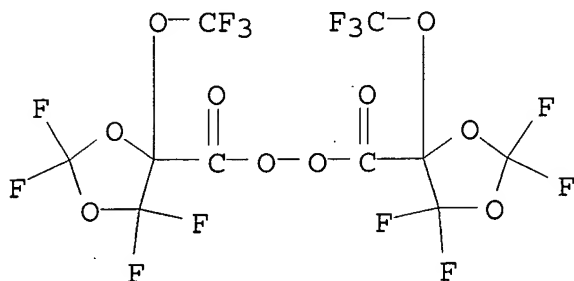
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1238988	A1	20020911	EP 2002-4181	20020226
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2002128411	A1	20020912	US 2002-86844	20020304
JP 2002332275	A2	20021122	JP 2002-60689	20020306
PRIORITY APPLN. INFO.:		IT 2001-MI482	A	20010308
OTHER SOURCE(S):		MARPAT 137:201722		
AB The perfluorodiacylperoxides Rf(Rf')(Rf'')CC:OOOC:OCrf(Rf')(Rf'') (I, Rf', Rf'' = CF3 if Rf = F; Rf', Rf'' = C1-3 linear or branched perfluorooxyalkyl if Rf = CF3) have thermal decompn. consts. Kd (sec-1) in the presence of water, which do not undergo variations with respect to the thermal decompn. consts. in the absence of water. The perfluorodiacylperoxides [e.g., I (Rf = F; Rf', Rf'' = CF3)] are obtained with good yield from the resp. perfluoroacyl fluorides [e.g., (CF3)2CFCOF].				

IT 453530-78-4P 453530-79-5P

(perfluorodiacylperoxides with high hydrolytic stability used as polymn. initiators)

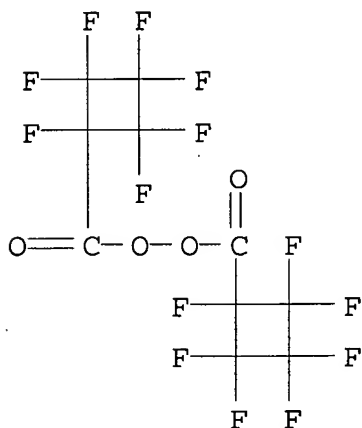
RN 453530-78-4 ZCAPLUS

CN Peroxide, bis[[2,2,5,5-tetrafluoro-4-(trifluoromethoxy)-1,3-dioxolan-4-yl]carbonyl] (9CI) (CA INDEX NAME)



RN 453530-79-5 ZCAPLUS

CN Peroxide, bis[(heptafluorocyclobutyl)carbonyl] (9CI) (CA INDEX NAME)



IT 453530-78-4P 453530-79-5P

(perfluorodiacylperoxides with high hydrolytic stability used as polymn. initiators)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN
THE RE FORMAT

L14 ANSWER 2 OF 5 ZCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:392603 ZCAPLUS

DOCUMENT NUMBER: 136:355606

TITLE: Production of perfluoropropyl vinyl
ether-tetrafluoroethylene copolymer in

octafluorocyclobutane using fluoro-containing peroxide initiators

INVENTOR(S): Loginova, N. N.; Kochkina, L. G.; Erokhova, V. A.; Dedov, A. S.; Zakharov, V. Yu.; Maslyakov, A. I.; Nasonov, Yu. B.; Borovnev, L. M.; Tishina, V. V.

PATENT ASSIGNEE(S): Aktsionernoe Obshchestvo Otkrytogo Tipa "Plastpolimer", Russia; Otkrytoe Aktsionernoe Obshchestvo "Kirovo-Chepetskii Khimicheskii Kombinat i.m. B. P. Konstantinova"

SOURCE: Russ., No pp. given
CODEN: RUXXE7

DOCUMENT TYPE: Patent

LANGUAGE: Russian

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
RU 2156777	C1	20000927	RU 1999-101291	19990119

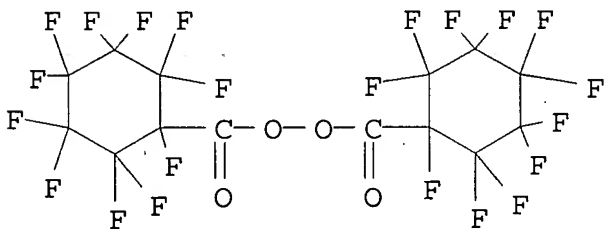
PRIORITY APPLN. INFO.: RU 1999-101291 19990119

AB Perfluoropropyl vinyl ether-tetrafluoroethylene copolymer contg. 2-5% mol of perfluoropropyl vinyl ether (PFPVE) is prepd. by copolymn. of the monomers in octafluorocyclobutane (OFCB) using fluoro-contg. peroxide initiators. A reactor is charged with 10.8 g PFPVE, 36 g of tetrafluoroethylene (TFE), 585 g OFCB and 0.15 g of methanol used as chain-transfer agent. The contents of the reactor are heated to 45.degree. at 0.6 MPa, and 0.4 g of bis((undecafluorocyclohexyl)carbonyl) peroxide initiator is added into the system. The monomers are continuously fed into the reaction mixt. at 45.degree. and 0.6 MPa in molar ratio of TFE:PFPVE = 120:1 until 80% of the total wt. of the monomers is consumed. After this point, tetrafluoroethylene only is fed into the reaction mixt.

IT 203255-90-7
(prodn. of perfluoropropyl vinyl ether-tetrafluoroethylene copolymer in octafluorocyclobutane using fluoro-contg. peroxide initiators)

RN 203255-90-7 ZCAPLUS

CN Peroxide, bis[(undecafluorocyclohexyl)carbonyl] (9CI) (CA INDEX NAME)



IT 203255-90-7

(prodn. of perfluoropropyl vinyl ether-tetrafluoroethylene copolymer in octafluorocyclobutane using fluoro-contg. peroxide initiators)

L14 ANSWER 3 OF 5 ZCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1999:223145 ZCAPLUS

DOCUMENT NUMBER: 131:5861

TITLE: Synthesis and properties of novel perfluorocyclohexylated compounds with bis(perfluorocyclohexane carbonyl) peroxide

AUTHOR(S): Sawada, Hideo; Kurachi, Minaka; Maekawa, Tomomi; Kawase, Tokuzo; Hayakawa, Yoshio; Takishita, Katsuhisa; Tanedani, Toshiyuki

CORPORATE SOURCE: Department of Chemistry, Nara National College of Technology, Yamatokoriyama, Nara, 639-1080, Japan

SOURCE: Journal of Applied Polymer Science (1999), 72(8), 1101-1108

CODEN: JAPNAB; ISSN: 0021-8995

PUBLISHER: John Wiley & Sons, Inc.

DOCUMENT TYPE: Journal

LANGUAGE: English

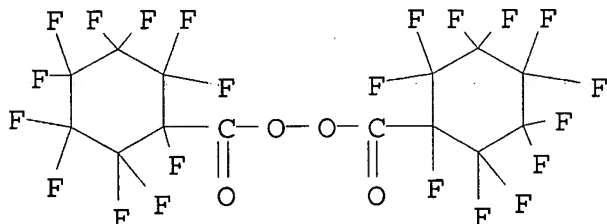
AB Bis(perfluorocyclohexane carbonyl) peroxide was prepd. by the reaction of the corresponding acyl fluoride and hydrogen peroxide. This peroxide was applied to the prepn. of perfluorocyclohexylated end-capped oligomers via a radical process under very mild conditions. In cyclic perfluorocyclohexylated end-capped oligomers contg. hydroxy segments, these oligomers could cause a gelation in water and in polar org. solvents such as MeOH, EtOH, DMF, and DMSO, and the gelling ability of these oligomers was superior to that of the corresponding linear perfluorooxaalkylated oligomers. Furthermore, perfluorocyclohexylation of polystyrene or benzene was proceeded via a single electron transfer reaction by using this peroxide.

IT 203255-90-7P

(prepn. and characterization of)

RN 203255-90-7 ZCAPLUS

CN Peroxide, bis[(undecafluorocyclohexyl)carbonyl] (9CI) (CA INDEX NAME)

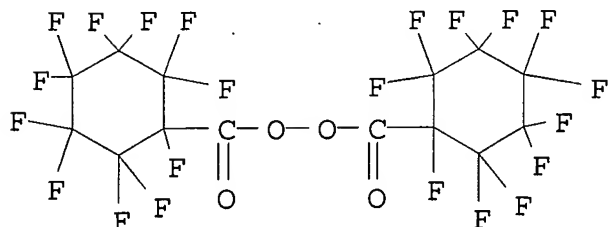


IT 203255-90-7DP, reaction products with vinyl oligomers

(prepn. and characterization of)

RN 203255-90-7 ZCAPLUS

CN Peroxide, bis[(undecafluorocyclohexyl)carbonyl] (9CI) (CA INDEX NAME)



IT 203255-90-7P

(prepn. and characterization of)

IT 203255-90-7DP, reaction products with vinyl oligomers

(prepn. and characterization of)

REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE
FOR THIS RECORD. ALL CITATIONS AVAILABLE
IN THE RE FORMAT

L14 ANSWER 4 OF 5 ZCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1999:130932 ZCAPLUS

DOCUMENT NUMBER: 130:237980

TITLE: Perfluorocyclohexyl-containing peroxide, its
derivatives, manufacture, and use as radical
polymerization initiators

INVENTOR(S): Sawada, Hideo; Komatsu, Shinji

PATENT ASSIGNEE(S): Nippon Oil and Fats Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11049749	A2	19990223	JP 1997-209332	19970804
PRIORITY APPLN. INFO.:			JP 1997-209332	19970804
OTHER SOURCE(S): MARPAT 130:237980				

AB FfCOOOCORf (Rf = perfluorocyclohexyl) (I),
Rf(CH₂CR₁R₂)m₁(CH₂CR₁R₃)m₂Rf [II; Rf = same as I; R₁ = H, Me; R₂, R₃
= halo, cyano, Si(R₄)₃, CO₂R₅, CONR₆R₇; R₄ = C₁-4 alkyl, alkoxy;
R₅-R₇ = H, C₁-18 alkyl, C₂-6 hydroxyalkyl, CH₂CH₂CH₂Si(R₄)₃; m₁ =
1-5000; m₂ = 0-5000] with Mn 500-1,000,000, ArRf (III; Ar = Ph,
thienyl, furyl, tolyl, xylyl, naphthyl; Rf = same as I), and
(CH₂CHPh)_x(CH₂CHC₆H₄Rf)_y (IV; Rf = same as I; x = 0-10,000; y =
1-10,000) are claimed. I is useful as an initiator for radical
polymn. of polymerizable ethylenic groups. Processes for manuf. of

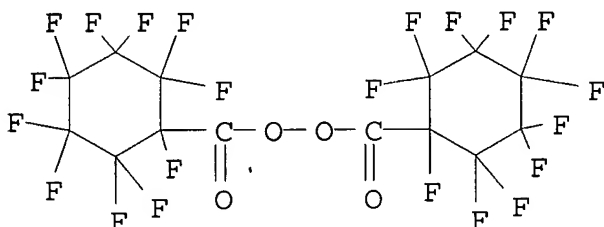
II, III, and IV from I are also claimed. Thus, RfCOF (Rf = same as I) was oxidized by H₂O₂ in AK 225 (CF₃CF₂CHCl₂-CF₂ClCF₂CHFC₂Cl mixt.) in the presence of NaOH to give 85% I, which showed 10-h half-life temp. 41.degree.. An AK 225 soln. of I was reacted with trimethoxyvinylsilane at 45.degree. for 10 h to give Rf[CH₂CHSi(OMe)₃]₂Rf with Mn 840.

IT 203255-90-7P

(prepn. of perfluorocyclohexyl-contg. peroxide as radical polymn. initiator or intermediate for F compds.)

RN 203255-90-7 ZCAPLUS

CN Peroxide, bis[(undecafluorocyclohexyl)carbonyl] (9CI) (CA INDEX NAME)



IT 203255-90-7P

(prepn. of perfluorocyclohexyl-contg. peroxide as radical polymn. initiator or intermediate for F compds.)

L14 ANSWER 5 OF 5 ZCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1998:111703 ZCAPLUS

DOCUMENT NUMBER: 128:180691

TITLE: Novel perfluorocyclohexylation with bis(perfluorocyclohexane carbonyl) peroxide

AUTHOR(S): Sawada, Hideo; Kurachi, Minaka; Kawase, Tokuzo; Takishita, Katsuhisa; Tanedani, Toshiyuki; Aoshima, Kazuyoshi

CORPORATE SOURCE: Department of Chemistry, Nara National College of Technology, Nara, 639-11, Japan

SOURCE: Chemistry Letters (1998), (2), 153-154

CODEN: CMLTAG; ISSN: 0366-7022

PUBLISHER: Chemical Society of Japan

DOCUMENT TYPE: Journal

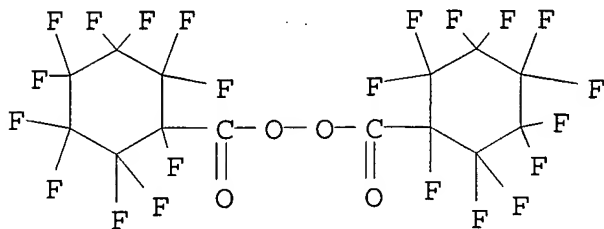
LANGUAGE: English

AB A new bis(perfluorocyclohexane carbonyl) peroxide was prepd. by the reaction of the corresponding acyl fluoride and hydrogen peroxide. This peroxide was applicable for the direct introduction of perfluorocyclohexyl group into various org. mols. such as acrylic acid oligomer, benzene and polystyrene. In particular interest, not only equatorial but also axial conformational isomers were isolated in phenylperfluorocyclohexane thus obtained.

IT 203255-90-7P

(perfluorocyclohexylation with bis(perfluorocyclohexane carbonyl) peroxide)

RN 203255-90-7 ZCAPLUS
 CN Peroxide, bis[(undecafluorocyclohexyl)carbonyl] (9CI) (CA INDEX NAME)



IT 203255-90-7P
 (perfluorocyclohexylation with bis(perfluorocyclohexane carbonyl) peroxide)

REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 119 1-4 ibib abs hitstr hitrn (A)

L19 ANSWER 1 OF 4 ZCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:693166 ZCAPLUS

DOCUMENT NUMBER: 137:201722

TITLE: Perfluorodiacylperoxides with high hydrolytic stability used as polymerization initiators

INVENTOR(S): Navarrini, Walter; Galimberti, Marco

PATENT ASSIGNEE(S): Ausimont S.P.A., Italy

SOURCE: Eur. Pat. Appl., 13 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1238988	A1	20020911	EP 2002-4181	20020226
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2002128411	A1	20020912	US 2002-86844	20020304
JP 2002332275	A2	20021122	JP 2002-60689	20020306
PRIORITY APPLN. INFO.:		IT 2001-MI482	A	20010308

OTHER SOURCE(S): MARPAT 137:201722

AB The perfluorodiacylperoxides Rf(Rf')(Rf'')CC:OOOC:OCRf(Rf')(Rf'') (I, Rf', Rf'' = CF₃ if Rf = F; Rf', Rf'' = C1-3 linear or branched perfluorooxyalkyl if Rf = CF₃) have thermal decompn. consts. Kd (sec⁻¹) in the presence of water, which do not undergo variations with respect to the thermal decompn. consts. in the absence of

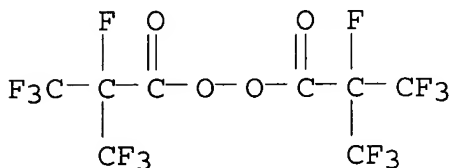
water. The perfluorodiacylperoxides [e.g., I (Rf = F; Rf', Rf" = CF3)] are obtained with good yield from the resp. perfluoroacyl fluorides [e.g., (CF3)2CFCOF].

IT 111632-55-4P 453530-76-2P

(perfluorodiacylperoxides with high hydrolytic stability used as polymn. initiators)

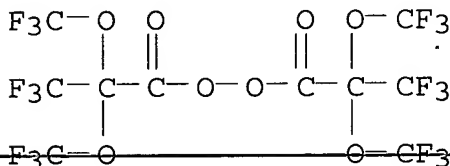
RN 111632-55-4 ZCAPLUS

CN Peroxide, bis[2,3,3,3-tetrafluoro-1-oxo-2-(trifluoromethyl)propyl]
(9CI) (CA INDEX NAME)



RN 453530-76-2 ZCAPLUS

CN Peroxide, bis[3,3,3-trifluoro-1-oxo-2,2-bis(trifluoromethoxy)propyl]
(9CI) (CA INDEX NAME)



IT 111632-55-4P 453530-76-2P

(perfluorodiacylperoxides with high hydrolytic stability used as polymn. initiators)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN
THE RE FORMAT

L19 ANSWER 2 OF 4 ZCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1994:606299 ZCAPLUS

DOCUMENT NUMBER: 121:206299

TITLE: Manufacture of copolymers of tetrafluoroethylene
and fluorovinyl ethers

INVENTOR(S): Nakahara, Akihiko; Izeki, Juji; Oomori,
Kazuyuki; Ezaki, Tatsuo

PATENT ASSIGNEE(S): Tokuyama Soda Kk, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06128335	A2	19940510	JP 1993-78173	19930405
JP 3053996	B2	20000619		

PRIORITY APPLN. INFO.:

JP 1992-234931 A 19920902

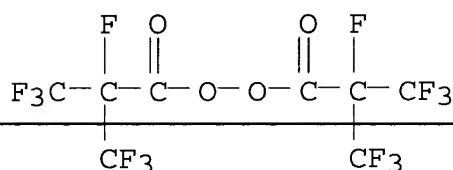
AB Copolymers of F₂C:CF₂ and RfCH₂OCF:CF₂ (Rf = halogenated hydrocarbyl) are manufd. by polymn. using 0.001-0.012 mol% radical initiators and 0.2-2 mol% chain-transfer agents; during the polymn. monomer mixts. are supplied to a polymn. reactor in a way so that the monomer concn. in the reaction mixts. can be const. A copolymer of F₂C:CF₂ and F₃CCF₂CH₂OCF:CF₂ was manufd. by polymn. using (C₃F₇CO₂)₂ as initiator and MeOH as chain-transfer agent; mixed gas of 2 monomers in 96.9:3.1 molar ratio was introduced gradually to the reactor where the polymn. took place to keep 6 kg/cm² pressure. The resulting copolymer was further fluorinated by treating with fluorine gas to give the corresponding perfluoropolymer.

IT 111632-55-4

(radical initiator; manuf. of copolymers of tetrafluoroethylene and fluorovinyl ethers)

RN 111632-55-4 ZCAPLUS

CN Peroxide, bis[2,3,3,3-tetrafluoro-1-oxo-2-(trifluoromethyl)propyl]
(9CI) (CA INDEX NAME)



IT 111632-55-4

(radical initiator; manuf. of copolymers of tetrafluoroethylene and fluorovinyl ethers)

L19 ANSWER 3 OF 4 ZCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1989:535000 ZCAPLUS

DOCUMENT NUMBER: 111:135000

TITLE: Cyclopolymerization of fluorine-containing vinyl compounds

INVENTOR(S): Nakamura, Masaru; Kaneko, Isamu; Oharu, Kazuya; Kojima, Gen; Matsuo, Masashi; Samejima, Shunichi; Kamba, Motoi

PATENT ASSIGNEE(S): Asahi Glass Co., Ltd., Japan

SOURCE: Eur. Pat. Appl., 17 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

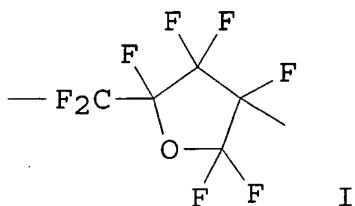
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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EP 303292	A2	19890215	EP 1988-113167	19880812
EP 303292	A3	19900425		
EP 303292	B1	19940601		
R: DE, FR, GB, IT				
JP 01131214	A2	19890524	JP 1988-194593	19880805
JP 2581182	B2	19970212		
JP 01131215	A2	19890524	JP 1988-194594	19880805
JP 2526641	B2	19960821		
US 4897457	A	19900130	US 1988-233820	19880810
US 4910276	A	19900320	US 1988-233821	19880810
CA 1302638	A1	19920602	CA 1988-574687	19880812
PRIORITY APPLN. INFO.:			JP 1987-201864	19870814
GI				



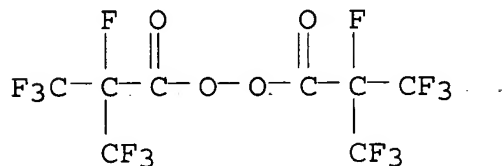
AB The cyclopolymer. or cyclocopolymer. is applied to monomers containing at least 10% F and 2 unsaturated carbon-carbon bonds of different polymerizability and of asymmetric structures and containing a straight chain of 2-7 atoms; the polymerization is carried out at 0-200 degrees and reduced pressure or at a pressure from normal pressure to 100 atm. Thus, polymerization of perfluoroallyl perfluorovinyl ether in the presence of diisopropyl peroxydicarbonate at 25 degrees and slightly reduced pressure for 16 h gave a cyclic polymer containing repeating units I.

IT 111632-55-4

(catalyst, for cyclopolymerization of fluorine-containing asymmetric diunsaturated vinyl monomers)

RN 111632-55-4 ZCAPLUS

CN Peroxide, bis[2,3,3,3-tetrafluoro-1-oxo-2-(trifluoromethyl)propyl]
(9CI) (CA INDEX NAME)



IT 111632-55-4

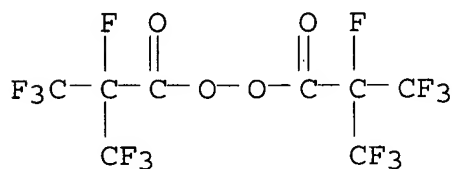
(catalyst, for cyclopolymerization of fluorine-containing asymmetric diunsaturated vinyl monomers)

L19 ANSWER 4 OF 4 ZCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1987:637928 ZCAPLUS
 DOCUMENT NUMBER: 107:237928
 TITLE: Crosslinked fluorine-containing polymers
 INVENTOR(S): Takada, Kuniaki
 PATENT ASSIGNEE(S): Tokuyama Soda Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 62059610	A2	19870316	JP 1985-198660	19850910
PRIORITY APPLN. INFO.:			JP 1985-198660	19850910

AB Title polymers with excellent heat and chem. resistance and dimensional stability are prepd. by copolymn. of monomer mixts. contg. (a) F-contg. divinyl compds. and (b) F-contg. vinyl compds. at .gtoreq.0.5 a/(a + b) molar ratios in the presence of .gtoreq.1 polymn. initiator selected from peroxydicarbonates and F-contg. diacyl peroxides. Thus, 8.0 parts (98% pure) CF₂:CFO(CF₂)₂OCF:CF₂ (I) was copolymd. with 2.0 parts (98% pure) CF₂:CFOCF₂CF₂CF₃ (II) in the presence of 0.3 part (CF₃CF₂CF₂COO)₂ at 20.degree. for 3 days under N to prep. a crosslinked polymer with conversion 96%, vs. 0 when 2.0 parts I was copolymd. with 8.0 parts II.

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 (catalysts, for prepn. of crosslinked fluorine-contg. vinyl polymers)
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